



## Nevada Site Office News

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**Media Advisory**

### **Atlas Pulse Ready to Beat**

The National Nuclear Security Administration Nevada Site Office is celebrating the dedication of Atlas, a pulse power physics machine designed to provide data needed for computer models used to validate the safety and reliability of the nation's nuclear stockpile.

What: Atlas Dedication Ceremony

Where: Area 6, Nevada Test Site (85 miles northwest of Las Vegas, Nevada)

When: 10:00 a.m. Monday, June 28, 2004

RSVP by 12:00 noon June 24 for site access (see attached badging form, must be received by June 24, must be a U.S. citizen to attend)

Atlas acts as a giant power amplifier, using energy that accumulates slowly and is stored in the machine's capacitor banks for sudden release into a target. As the electrical current surges through Atlas, it crushes the target at velocities nearly high enough to escape Earth's gravity (as high as 22,500 miles per hour) and generates pressures equivalent to millions of times that of Earth's atmosphere.

Atlas can concentrate more total energy on larger (centimeter-scale) experimental targets for longer periods of times compared to other physics experiments. The data from pulsed power experiments provides better physics models of material properties and implosion hydrodynamics that allow the National Nuclear Security Administration to ensure the integrity of the nation's aging nuclear stockpile.

Atlas was initially designed and constructed by Los Alamos National Laboratory (LANL) in New Mexico. In 2001 LANL scientists performed the first successful experiment demonstrating the facility's capability to provide materials data in support of the certification of the nuclear weapons stockpile. Relocation of Atlas to the Nevada Test Site occurred over the last two years and involved over 400 workers from Los Alamos National Laboratory, Bechtel Nevada, and the National Nuclear Security Administration.

## Information Required From Uncleared U.S. Citizens for Access to U.S. Department of Energy, Nevada Operations Office Facilities

Name of Group		Date of Visit	
Name of Contact Person		Contact's Telephone (Include Area Code)	
LAST Name	First	Middle Initial (MI) (If no MI, write NMI)	Social Security Number
Date of Birth	Place of Birth (City and State)		Citizenship
Badge #: _____ (If Applicable)		Level of Clearance: _____ (If Applicable)	
Purpose of Visit: _____			
Company Name: _____		Job Title: _____	
Business Street Address		Residence Street Address (No P.O. Boxes)	
Business City, State, and ZIP Code		Residence City, State, and ZIP Code	
Business Telephone (Include Area Code)		Residence Telephone (Include Area Code)	
Badging Instructions (to be completed by the DOE/NV Visit Control Office):			

**Privacy Act Statement**

The information requested on this form is protected by the Privacy Act of 1974. The purpose for requesting this information is to enable proper processing of your background information for access to the U.S. Department of Energy, Nevada Operations Office facilities. Failure to provide the requested information may preclude processing your badging request.